

**Patent Number(s):** JP51042795-A; JP78020077-B

**Title:** Polyester prepn. by ester-interchange, condensation polymerisation - using ethylene-glycol and dimethyl-terephthalate in specified ratio with catalyst

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**Derwent Primary Accession Number:** 1976-40686X [22]

**Patents Cited by Inventor:** 0    **Articles Cited by Inventor:** 0

**Patents Cited by Examiner:** 0    **Articles Cited by Examiner:** 0

**Abstract:**

Polyester is prepd. by ester-exchanging and condens.-polymsg. a dicarboxylic acid, mainly of dimethylterephthalate, with glycol, mainly of ethyleneglycol, using a molar ratio of ethyleneglycol:dimethylterephthalate = 1.30:1-1.80:1. An ester-exchanging catalyst satisfying the equation (I) is used; the ester-exchanging reaction completed below 250 degrees C followed by condensn. polymsn.- (where K(hr<sup>-1</sup>(mol./kg.)<sup>-1</sup>)represents the reaction velocity constant between methyl ester and hydroxyl gp. of hydroxyethyl ester; and m = molar ratio of ethyleneglycol to dimethylterephthalate.

**International Patent Classification:** C07C-067/03; C07C-069/82; C08G-063/22

**Derwent Class:** A23 (Polyamides, polyesters, polycarbonates, alkyds)

**Derwent Manual Code(s):** A05-E04A

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